

Atty Docket: IDF 1239A (4000-04901)

Patent

## AMENDMENTS TO THE CLAIMS

## Listing of Claims:

1. (Currently Amended) A computer comprising;a central processor;a memory electrically coupled to the central processor;a bus interface electrically coupled to the central processor, the bus interface comprising a slot; and~~An an~~ autonomous multi-services card ~~that comprises:~~ at least partially inserted into the slot such that the autonomous multi-services card is in electronic communication with the bus interface, the autonomous multi-services card comprising:a computer interface that is configured for coupling to ~~a host computer connection the bus interface~~ and that is operational to exchange data with the ~~host computer connection bus interface~~;a telephone interface that is configured for coupling to a telephone connection and that is operational to exchange voice signals with the telephonic connection;a network interface that is configured for coupling to a network connection and that is operational to exchange the data and the voice signals with the network connection;a communications processing system that is operational to control the exchange of the voice signals with the telephone connection and with the network connection without any control input from the ~~host computer connection central processor~~, and to control the exchange of the data with the ~~host computer connection bus interface~~ and with the network connection;

*Atty Docket: IDF 1239A (4000-04901)**Patent*

communication paths that connect the communications processing system with the computer interface, the telephone interface, and the network interface; and

a substrate that is configured for physical attachment to ~~a computer-compatible~~ the slot and that is connected to the computer interface, the telephone interface, the network interface, the communications processing system, and the communication paths.

2. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the network interface is further operational to exchange asynchronous transfer mode communications with the network connection and wherein the communications processing system is further operational to control the exchange of the asynchronous transfer mode communications with the network connection.

3. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the network interface is further operational to exchange Ethernet communications with the network connection and wherein the communications processing system is further operational to control the exchange of the Ethernet communications with the network connection.

4. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the network interface is further operational to exchange digital subscriber line communications with the network connection and wherein the communications processing system is further operational to control the exchange of the digital subscriber line communications with the network connection.

5. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the network interface is further operational to exchange internet communications with the

*Atty Docket: IDF 1239A (4000-04901)**Patent*

network connection and wherein the communications processing system is further operational to control the exchange of the internet communications with the network connection.

6. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the computer interface is further operational to exchange internet communications with the ~~host computer connection~~ bus interface and wherein the communications processing system is further operational to control the exchange internet communications with the ~~host computer connection~~ bus interface.

7. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the telephone interface is further operational to exchange analog telephone signals with the telephone connection and wherein the communications processing system is further operational to control the exchange of the analog telephone signals with the telephone connection.

8. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the network interface is further operational to exchange modem communications with the network connection and wherein the communications processing system is further operational to control the exchange of the modem communications with the network connection.

9. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the modem communications are cable modem communications.

10. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 9 wherein the modem communications are wireless modem communications.

11. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 9 wherein the modem communications are telephone modem communications.

**Atty Docket: IDF 1239A (4000-04901)****Patent**

12. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the network interface is further operational to automatically sense the protocol used over the network connection.

13. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the computer interface is further operational to receive power from the ~~host computer connection~~ bus interface.

14. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 further comprising a battery ~~terminal~~.

15. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 further comprising a voice coder/decoder.

16. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein the telephone interface is operational to detect off-hook conditions, to detect on-hook conditions, to detect tones, to provide dial tone, to provide ring current, to provide ringback tones, and to provide busy tones.

17. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 16 wherein the communications processing system is operational to control the telephone interface to generate and receive telephone calls.

18. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 further comprising an enclosure ~~that includes the slot, wherein the central processor, the memory, and~~ the autonomous multi-services card are located within the enclosure.

19. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 18 ~~wherein the enclosure includes~~ further comprising a battery ~~terminal~~.

*Atty Docket: IDF 1239A (4000-04901)**Patent*

20. (Currently Amended) The ~~autonomous multi-services card~~ computer of claim 1 wherein:

the network interface is operational to exchange asynchronous transfer mode communications and internet communications with the network connection and wherein the communications processing system is further operational to control the exchange of the asynchronous transfer mode communications and internet communications with the network connection;

the telephone interface is further operational to exchange analog telephone signals with the telephone connection and wherein the communications processing system is further operational to control the exchange of the analog telephone signals with the telephone connection; and

the computer interface is further operational to exchange the internet communications with the ~~host computer connection~~ bus interface and wherein the communications processing system is further operational to control the exchange of the internet communications with the ~~host computer connection~~ bus interface.

21. – 33. (Canceled)

34. (New) The computer of claim 1 wherein the bus interface is a peripheral component interconnect or a small computer system interface.